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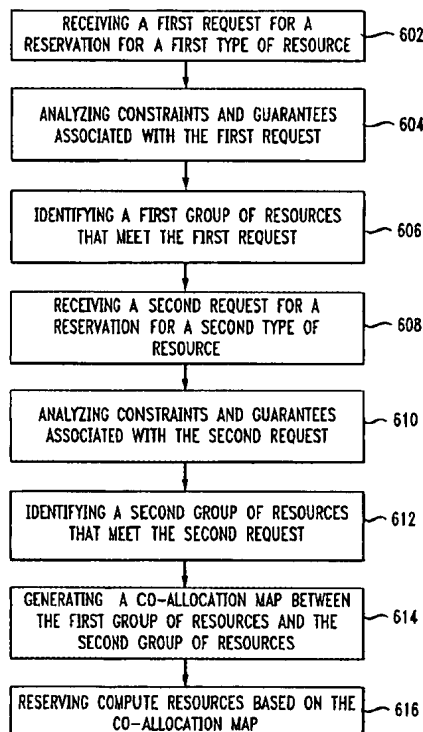
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- (71) Applicant (for all designated States except US): CLUSTER RESOURCES, INC. [US/US]; 622 North 900 East, Spanish Fork, UT 84660 (US).
- (72) Inventor; and
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(54) Title: SYSTEM AND METHOD OF CO-ALLOCATING A RESERVATION SPANNING DIFFERENT COMPUTE RESOURCES TYPES



(57) Abstract: A system and method of co-allocating resources within a compute environment are disclosed. The method embodiment of the invention comprises receiving a request for a reservation for a first type of resource, analyzing constraints and guarantees associated with the first type of resource, identifying a first group of resources that meet the request for the first type of resource and storing in a first list, receiving a request for a reservation for a second type of resource, analyzing constraints and guarantees associated with the second type of resource, identifying a second group of resources that meet the request for the second type of resource and storing in a second list, calculating a co-allocation parameter between the first group of resources and the second group of resources and reserving resources according to the calculated co-allocation parameter of the first group of resources and the second group of resources. The request may also request exclusivity of the reservation.

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ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ,

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